# RAFIX 16, standard switching element, silver, without lamp socket, quick-connect terminal, momentary contact function, 2 NO



### fields of application

- Measurement-control-regulation
- Electrical engineering
- Mechanical and system engineering
- Industrial robots

### special features

- Suitable for pushbuttons, mushroom pushbuttons and toggle switches
- Silver contacts, optimal for switching large currents (max. 250 V / 6 A)
- Optional with latching function for visible switch function
- Mounting by snapping onto actuator
- Disassembly by turning and pulling off
- Flat plug-in connections 2.8 x 0.8 mm (also with PCB plug-in base) or screw connection

## description

RAFIX 16 standard switching elements are designed for pushbuttons. The switching elements are available with a momentary contact or latching function, so that latching pushbuttons can also be achieved.

## technical data

**general**

| | |
|---|---|
| Color | light gray |
| Operating temperature, min. | -25 °C |
| Operating temperature, max. | 70 °C |
| Storage temperature, min. | -40 °C |
| Storage temperature, max. | 85 °C |
| illuminated | No |
| Packaging unit | 20 pcs. |
| net weight | 8.5 g |
| Operating life | 1,000,000 cycles |
| B10 | 1,300,000 cycles |
| Environment resistance | IEC 60068-2-14<br>IEC 60068-2-30<br>IEC 60068-2-33<br>IEC 60068-2-78 |
| Shock resistance according to standard IEC 60068-2-27 | 50 g at 11 ms amplitude semi-sinusoidal |
| Vibration resistance according to standard IEC 60068-2-6 | 10 g at 20 - 500 Hz |
| Protection class | II |
| MOQ order | 20 pcs. |

### direct links

- RAFI eCatalog

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.


**RAFI GmbH & Co. KG**

Ravensburger Str. 128-134
88276 Berg / Ravensburg
Germany
www.rafi-group.com,
info.headquarters@rafi-group.com

| | |
|---|---|
| RoHS compliant | Yes |
| REACH compliant | Yes |

**mounting diameters**

| | |
|---|---|
| Outside dimension, length | 22.2 mm |
| Outside dimension, width | 22.2 mm |
| Outside dimension, height | 34.4 mm |
| Mounting depth | 44.7 mm |

**mechanical data**

| | |
|---|---|
| Actuation function | momentary contact function |
| Operating force, max. | 100 N |
| Operating travel, max. | 3 mm |
| Contact function | 2 NO |
| Contact system | Bridge contact |
| Contact material | Silver |
| Fixing | Latching |
| Solderability | No |
| Terminal on the rear | Flat quick-connect terminal 2.8 x 0.8 |
| Connection marking | Normally Open: 13/14, 23/24 |

**electrical data**

| | |
|---|---|
| Rated insulation voltage | 250 V |
| Rated surge voltage | 2,500 V |
| Rated operating voltage | 250 V (AC-15)<br>250 V / 125 V / 60 V / 24 V (DC-13) |
| Rated voltage, min. | 10 V |
| Rated voltage, max. | 250 V |
| Voltage type | AC / DC |
| Rated operating current I, AC15 B300 | 240 V / 1,5 A |
| Rated operating current I, DC13 Q300 | 250 V / 0,275 A<br>125 V / 0,4 A<br>60 V / 1 A<br>24 V / 2 A |
| Rated operating voltage | 10-250 V |
| Power loss | 1.44000 W |
| Category of use AC-15 / B300 | 250 V / 1,5 A (CCC) |
| Categories of use | AC-15 / B300<br>DC-13 / Q300 |
| Category of use DC-13 / Q300 | 240 V / 0,27 A (CCC) |

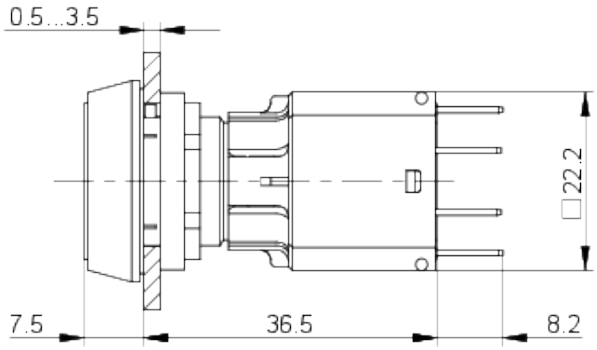
The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.


**RAFI GmbH & Co. KG**

Ravensburger Str. 128-134
88276 Berg / Ravensburg
Germany
www.rafi-group.com,
info.headquarters@rafi-group.com

## drawings

### System drawing




The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.


**RAFI GmbH & Co. KG**

Ravensburger Str. 128-134
88276 Berg / Ravensburg
Germany
www.rafi-group.com,
info.headquarters@rafi-group.com